

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of

Jianbo Lu

Serial No. Filed Herewith

Filed: Filed Herewith

For: SYSTEM AND METHOD FOR DETERMINING A WHEEL DEPARTURE
ANGLE FOR A ROLLOVER CONTROL SYSTEM WITH RESPECT TO
ROAD ROLL RATE AND LOADING MISALIGNMENT

Attorney Docket No: 81096192(FGT-1880 PA)

I hereby certify that this correspondence is being deposited with the United States Postal Service, under Express Mail Label No. EL 983 264 501 US, in an envelope addressed to: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on:

2-11-04
Date of Deposit

Donna Kraft


Signature

DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.56

Mail Stop Patent Application
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

In compliance with 37 C.F.R. § 1.56, the art listed and identified on the attached Form PTO-1449A is being submitted herewith for consideration by the Examiner.

The information disclosure statement submitted herewith is being filed before the mailing date of a first Office Action on the merits, pursuant to 37 C.F.R. § 1.97(b).

It is Applicants' opinion that the claims presently on file patentably distinguish the present invention from each of these references. The above references are being cited only in the interests of candor and without any admission that they constitute statutory prior art or contain matter which anticipates the invention or which would render the same obvious, either singly or in combination, to a person of ordinary skill in the art.

The Commissioner is authorized to charge any additional fees which may be required, or credit any overpayment, to Deposit Account No. 06-1510.

Respectfully submitted,

ARTZ & ARTZ, P.C.



Kevin G. Mierzwa
Registration No. 38,049
28333 Telegraph Road, Ste. 250
Southfield, MI 48034
(248) 223-9500

Date: 2/11/04

Substitute for Form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	Filed Herewith
Filing Date	Filed Herewith
First Named Inventor	Jianbo Lu
Group Art Unit	Unknown
Examiner Name	Unknown

Sheet

1

Of

6

Attorney Docket Number

81096192(FGT 1880 PA)

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	U.S. PATENT DOCUMENT		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Kind Code ² Number	(if known)			
	1	2,917,126		Phillips	Dec. 15, 1959	
	2	3,604,273		Kwok et al	Sep. 14, 1971	
	3	3,608,925		Murphy	Sep. 28 1971	
	4	3,899,028		Morris et al	Aug. 12, 1975	
	5	3,948,567		Kasselmann et al	Apr. 6, 1976	
	6	3,972,543		Presley et al	Aug. 3, 1976	
	7	4,023,864		Lang et al	May 17, 1977	
	8	4,480,714		Yabuta et al	Nov. 6, 1984	
	9	4,592,565		Eagle	Jun. 3, 1986	
	10	4,597,462		Sano et al	Jul. 1, 1986	
	11	4,650,212		Yoshimura	Mar. 17, 1987	
	12	4,679,808		Ito et al	Jul. 14, 1987	
	13	4,690,553		Fukamizu et al	Sep. 1, 1987	
	14	4,761,022		Ohashi	Aug. 2, 1988	
	15	4,765,649		Ikemoto et al	Aug. 23, 1988	
	16	4,767,588		Ito	Aug. 30, 1988	
	17	4,778,773		Sukegawa	Oct. 18, 1988	
	18	4,809,183		Eckert	Feb. 28, 1989	
	19	4,827,416		Kawagoe et al	May 2 1989	
	20	4,872,116		Ito et al	Oct. 3, 1989	
	21	4,888,696		Akatsu et al	Dec. 19, 1989	
	22	4,898,431		Karnopp et al	Feb. 6, 1990	
	23	4,930,082		Harara et al	May 29, 1990	
	24	4,951,198		Watanabe et al	Aug. 21, 1990	
	25	4,960,292		Sadler	Oct. 2, 1990	
	26	4,964,679		Rath	Oct. 23, 1990	
	27	4,967,865		Schindler	Nov. 6, 1990	
	28	4,976,330		Matsumoto	Dec. 11, 1990	
	29	4,998,593		Karnopp et al	Mar. 12, 1991	
	30	5,033,770		Kamimura et al	Jul. 23, 1991	
	31	5,058,017		Adachi et al	Oct. 15, 1991	
	32	5,066,041		Kindermann et al	Nov. 19, 1991	
	33	5,088,040		Matsuda et al	Feb. 11, 1992	
	34	5,089,967		Haseda et al	Feb. 18, 1992	
	35	5,163,319		Spies et al	Nov. 17, 1992	
	36	5,200,896		Sato et al	Apr. 6, 1993	
	37	5,208,749		Adachi et al	May 4, 1993	
	38	5,224,765		Matsuda	Jul. 6, 1993	
	39	5,228,757		Ito et al	Jul 20, 1993	
	40	5,239,868		Takenaka et al	Aug. 31, 1993	
	41	5,247,466		Shimada et al	Sep. 21, 1993	
	42	5,261,503		Yasui	Nov. 16, 1993	
	43	5,265,020		Nakayama	Nov. 23, 1993	
	44	5,278,761		Ander et al	Jan. 11, 1994	

<p>Substitute for Form 1449A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p>				Complete if Known	
				Application Number	Filed Herewith
				Filing Date	Filed Herewith
				First Named Inventor	Jianbo Lu
				Group Art Unit	Unknown
				Examiner Name	Unknown
Sheet	2	Of	6	Attorney Docket Number	81096192(FGT 1880 PA)

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. PATENT DOCUMENT		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Kind Code ²	Number (if known)			
45	5,282,134			Gioutsos et al	Jan. 25, 1994	
46	5,311,431			Cao et al	May 10, 1994	
47	5,324,102			Roll et al	Jun. 28, 1994	
48	5,335,176			Nakamura	Aug. 2, 1994	
49	5,365,439			Momose et al	Nov. 15, 1994	
50	5,370,199			Akuta et al	Dec. 6, 1994	
51	5,408,411			Nakamura et al	Apr. 18, 1995	
52	5,446,658			Pastor et al	Aug. 29, 1995	
53	5,510,989			Zabler et al	Apr. 23, 1996	
54	5,548,536			Ammon	Aug. 20, 1996	
55	5,549,328			Cubalchini	Aug. 27, 1996	
56	5,579,245			Kato	Nov. 26, 1996	
57	5,598,335			You	Jan. 28, 1997	
58	5,602,734			Kithil	Feb. 11, 1997	
59	5,610,575			Gioutsos	Mar. 11, 1997	
60	5,627,756			Fukada et al	May 6, 1997	
61	5,634,698			Cao et al	Jun. 3, 1997	
62	5,640,324			Inagaki	Jun. 17, 1997	
63	5,648,903			Liubakka	Jul. 15, 1997	
64	5,671,982			Wanke	Sep. 30, 1997	
65	5,676,433			Inagaki et al	Oct. 14, 1997	
66	5,694,319			Suisse et al	Dec. 2, 1997	
67	5,703,776			Soung	Dec. 30, 1997	
68	5,707,117			Hu et al	Jan. 13, 1998	
69	5,707,120			Monzaki et al	Jan. 13, 1998	
70	5,720,533			Pastor et al	Feb. 24, 1998	
71	5,723,782			Bolles, Jr.	Mar. 3, 1998	
72	5,732,377			Eckert	Mar. 24, 1998	
73	5,732,378			Eckert et al	Mar. 24, 1998	
74	5,732,379			Eckert et al	Mar. 24, 1998	
75	5,736,939			Corcoran	Apr. 7, 1998	
76	5,737,224			Jeenicke et al	Apr. 7, 1998	
77	5,740,041			Iyoda	Apr. 14, 1998	
78	5,742,918			Ashrafi et al	Apr. 21, 1998	
79	5,742,919			Ashrafi et al	Apr. 21, 1998	
80	5,762,406			Yasui et al	Jun. 9, 1998	
81	5,782,543			Monzaki et al	Jul. 21, 1998	
82	5,787,375			Madau et al	Jul. 28, 1998	
83	5,801,647			Survo et al	Sep. 1, 1998	
84	5,809,434			Ashrafi et al	Sep. 15, 1998	
85	5,816,670			Yamada et al	Oct. 6, 1998	
86	5,825,284			Dunwoody et al	Oct. 20, 1998	
87	5,857,535			Brooks	Jan. 12, 1999	
88	5,869,943			Nakashima et al	Feb. 9, 1999	
89	5,878,357			Sivashankar et al	Mar. 2, 1999	

Substitute for Form 1449A/PTO				<i>Complete if Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	Filed Herewith
				Filing Date	Filed Herewith
				First Named Inventor	Jianbo Lu
				Group Art Unit	Unknown
				Examiner Name	Unknown
Sheet	3	Of	6	Attorney Docket Number	81096192(FGT 1880 PA)

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	U.S. PATENT DOCUMENT		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Kind Code ² Number	(if known)			
90	5,893,896			Imamura et al	Apr. 13, 1999	
91	5,925,083			Ackermann	Jul. 20, 1999	
92	5,931,546			Nakashima et al	Aug. 3, 1999	
93	5,944,137			Moser et al	Aug. 31, 1999	
94	5,944,392			Tachihata et al	Aug. 31, 1999	
95	5,946,644			Cowan et al	Aug. 31, 1999	
96	5,964,819			Naito	Oct. 12, 1999	
97	5,971,503			Joyce et al	Oct. 26, 1999	
98	6,002,974			Schiffman	Dec. 14, 1999	
99	6,002,975			Schiffman et al	Dec. 14, 1999	
100	6,026,926			Noro et al	Feb. 22, 2000	
101	6,038,495			Schiffman	Mar. 14, 2000	
102	6,040,916			Griesinger	Mar. 21, 2000	
103	6,050,360			Pattok et al	Apr. 18, 2000	
104	6,055,472			Breunig et al	Apr. 25, 2000	
105	6,062,336			Amberkar et al	May 16, 2000	
106	6,065,558			Wielenga	May 23, 2000	
107	6,073,065			Brown et al	Jun. 6, 2000	
108	6,079,513			Nishizaki et al	Jun. 27, 2000	
109	6,081,761			Harada et al	Jun. 27, 2000	
110	6,085,860			Hackl et al	Mar. 20, 1998	
111	6,086,168			Rump	Jul. 11, 2000	
112	6,089,344			Baughn et al	Jul. 18, 2000	
113	6,104,284			Otsuka	Aug. 15, 2000	
114	6,122,568			Madau et al	Sep. 19, 2000	
115	6,122,584			Lin et al	Sep. 19, 2000	
116	6,129,172			Yoshida	Oct. 10, 2000	
117	6,141,604			Mattes et al	Oct. 31, 2000	
118	6,141,605			Joyce	Oct. 31, 2000	
119	6,144,904			Tseng	Nov. 7, 2000	
120	6,149,251			Wuerth, et al	Nov. 21, 2000	
121	6,161,905			Hac et al	Dec. 19, 2000	
122	6,169,939			Raad et al	Jan. 2, 2001	
123	6,176,555			Semsey	Jan. 23, 2001	
124	6,178,375			Breunig	Jan. 23, 2001	
125	6,179,310			Clare et al	Jan. 30, 2001	
126	6,179,394			Browalski et al	Jan. 30, 2001	
127	6,184,637			Yamawaki et al	Feb. 6, 2001	
128	6,185,485			Ashrafti et al	Feb. 6, 2001	
129	6,186,267			Hackl et al	Feb. 13, 2001	
130	6,192,305			Schiffmann	Feb. 20, 2001	
131	6,195,606			Barta et al	Feb. 27, 2001	

Substitute for Form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Application Number	Filed Herewith
Filing Date	Filed Herewith
First Named Inventor	Jianbo Lu
Group Art Unit	Unknown
Examiner Name	Unknown

Sheet 4 Of 6 Attorney Docket Number 81096192(FGT 1880 PA)

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. PATENT DOCUMENT		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Kind Code ²	Number (if known)			
	132	6,198,988		Tseng	Mar. 6, 2001	
	133	6,202,009		Tseng	Mar. 13, 2001	
	134	6,202,020		Kyrtos	Mar. 13, 2001	
	135	6,206,383		Burdock	Mar. 27, 2001	
	136	6,219,604		Dilger et al	Apr. 17, 2001	
	137	6,223,114		Boros et al	Apr. 24, 2001	
	138	6,226,579		Hackl et al	May 1, 2001	
	139	6,233,510		Platner et al	May 15, 2001	
	140	6,263,261		Brown et al	Jul. 17, 2001	
	141	6,266,596		Hartman et al	Jul. 24, 2001	
	142	6,272,420		Schramm et al	Aug. 7, 2001	
	143	6,278,930		Yamada et al	Aug. 21, 2001	
	144	6,282,471		Burdock et al	Aug. 28, 2001	
	145	6,282,472		Jones et al	Aug. 28, 2001	
	146	6,282,474		Chou et al	Aug. 28, 2001	
	147	6,292,734		Murakami et al	Sep. 18, 2001	
	148	6,292,759		Schiffmann	Sep. 18, 2001	
	149	6,311,111		Leimbach et al	Oct. 30 2001	
	150	6,314,329		Madau et al	Nov. 6, 2001	
	151	6,315,373		Yamada et al	Nov. 13, 2001	
	152	6,321,141		Leimbach	Nov. 20, 2001	
	153	6,324,446		Brown et al	Nov. 27, 2001	
	154	6,324,458		Takagi et al	Nov. 27, 2001	
	155	6,330,522		Takeuchi	Dec. 11, 2001	
	156	6,332,104		Brown et al	Dec. 18, 2001	
	157	6,338,012		Brown et al	Jan. 8, 2002	
	158	6,349,247		Schramm et al	Feb. 19, 2002	
	159	6,351,694		Tseng et al	Feb. 26, 2002	
	160	6,352,318		Hosomi et al	Mar. 5, 2002	
	161	6,356,188		Meyers et al	Mar. 12, 2002	
	162	6,370,938		Leimbach et al	Apr. 16, 2002	
	163	6,394,240		Barwick	May 28, 2002	
	164	6,397,127		Meyers et al	May 28, 2002	
	165	6,419,240		Burdock et al	Jul. 16, 2002	
	166	6,428,118		Blosch	Aug. 6, 2002	
	167	6,438,464		Woywod et al	Aug. 20, 2002	
	168	6,477,480		Tseng et al	Nov. 5, 2002	
	169	6,496,758		Rhode et al	Dec. 17, 2002	
	170	6,496,763		Griessbach	Dec. 17, 2002	
	171	6,498,976		Ehlbeck et al	Dec. 24, 2002	
	172	6,529,803		Meyers et al	Mar. 4, 2003	
	173	6,547,022		Hosomi et al	Apr. 15, 2003	
	174	6,554,293		Fennel et al	Apr. 29, 2003	
	175	6,556,908		Lu et al	Apr. 29, 2003	

Substitute for Form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Application Number	Filed Herewith
Filing Date	Filed Herewith
First Named Inventor	Jianbo Lu
Group Art Unit	Unknown
Examiner Name	Unknown

Sheet 5 Of 6 Attorney Docket Number 81096192(FGT 1880 PA)

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	U.S. PATENT DOCUMENT		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Kind Code ² Number	(if known)			
	176	6,559,634		Yamada	May 6, 2003	
	177	6,618,656		Kueblbeck et al	Sep. 9, 2003	
	178	RE 30,550		Reise	Mar. 24, 1981	
	179	2002/0096003		Yamada et al	Jul. 25, 2002	
	180	2002/0075139		Yamamoto et al	Jun. 20, 2002	
	181	2002/0040268		Yamada et al	Apr. 4, 2002	
	182	2002/0014799		Nagae	Feb. 7, 2002	
	183	2002/0056582		Chubb	May 16, 2002	
	184	2002/0139599		Lu	Oct. 3, 2002	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
185	DE	36 16 907			Marko	Nov. 26, 1987		
186	DE	38 15 938			Jost et al	Mov. 23, 1989		
187	DE	42 27 886			Boehm	Feb. 24, 1994		
188	DE	43 21 571			Yoshimichi et al	Jan. 5, 1994		
189	DE	43 35 979			Spies et al	Apr. 26, 1995		
190	DE	43 42 732			Neumann	Jun. 22, 1995		
191	DE	199 07 633			Leimbach et al	Oct. 14, 1999		
192	EP	0 430 813			Saint Martin	Dec. 29, 1993		
193	EP	0 662 601			Okada	Jul. 12, 1995		
194	EP	0 758 601			Hirschberg	Feb. 19, 1997		
195	FR	24 25 342			Remesy et al	Dec. 7, 1979		
196	GB	2,257,403			Dunbar	Jan. 13, 1993		
197	GB	2 342 078			Burdock	Apr. 5, 2000		
198	JP	62,055,211			Kazunubo	Sep. 4, 1985		
199	JP	63,116,918			Takumi	May 21, 1988		
200	JP	63,151,539			Takeshi	Jun. 24, 1988		
201	JP	63,203,456			Hiromichi	Aug. 23, 1988		
202	JP	1,101,238			Takayuki	Apr. 19, 1989		
203	JP	2,171,373			Shinji	Jul. 3, 1990		
204	JP	3,042,360			Hideaki	Feb. 22, 1991		
205	JP	3,045,452			Shinji	Feb. 27, 1991		
206	JP	4,008,837			Noriharu	Jan. 13, 1992		
207	JP	5,016,699			Hiroyuki	Jan. 26, 1993		
208	JP	5,254,406			Hiidenori	Oct. 5, 1993		
209	JP	6,278,586			Keiji	Oct. 4, 1994		
210	JP	6,297,985			Kouzou	Oct. 25, 1994		
211	JP	6,312,612			Katsuya	Nov. 8, 1994		
212	JP	8,080,825			Yoshitomo	Mar. 26, 1996		
213	JP	9,005,352			Akira	Jan. 10, 1997		

Substitute for Form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	Filed Herewith
<i>(use as many sheets as necessary)</i>				Filing Date	Filed Herewith
				First Named Inventor	Jianbo Lu
				Group Art Unit	Unknown
				Examiner Name	Unknown
				Sheet 6 Of 6	Attorney Docket Number

FOREIGN PATENT DOCUMENTS

Examinee Initials	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
214	JP	10,024,819			Masaharu	Jan. 27, 1998		
215	JP	10,329,682			Shigeru	Dec. 15, 1998		
216	JP	11,011,272			Koji	Jan. 19, 1999		
218	JP	11,170,992			Koji	Jun. 29, 1999		
219	JP	11,254,992			Masaharu	Sep. 21, 1999		
220	JP	11,255,093			Yoshiki	Sep. 21, 1999		
221	JP	11,304,662			Ichiro	Nov. 5, 1999		
222	JP	11,304,663			Kiyoaki	Oct. 28, 1999		
223	SU	816,849			Agapov	Mar. 30, 1981		

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Substitute for Form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete If Known	
Application Number	Filed Herewith				
Filing Date	Filed Herewith				
First Named Inventor	Jianbo Lu				
Group Art Unit	Unknown				
Examiner Name	Unknown				
Sheet	1	Of	1	Attorney Docket Number	81096192(FGT 1880 PA)

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1	A method for reducing on-road rollovers—anti-rollover braking, Thomas J. Wielenga, Dynamotive, LLC, International Congress and Exposition, Detroit, Michigan, March 1-4, 1999	
	2	Eger, R., Majjad, R., Naser, N., "Rollover simulation based on a nonlinear model", SAE 98020	
	3	Nalecz, A.G., Bindemann, A.C., Brewer H.K., "Dynamic analysis of vehicle rollover", 12 th International Conference on Experimental Safety Vehicles, Goteborg, Sweden, May 29-June 1, 1989	
	4	Nii, N., Nishijima, Y., Nakagaw, K., "rollover analysis method of a large-size bus", JSAE 9540020, 1995.	
	5	Eger, R., Kiencke, U., "Modeling of rollover sequences", Control Engineering Practice 11 (2003) 209-216	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

¹EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

²Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.